

FY-2001 PROPOSED SCOPE OF WORK for:
Gunnison River Water Demand Study

Project No.: CAP-30

Lead Agency:	U.S. Bureau of Reclamation	
Submitted by:	Mike Baker	Brent Uilenberg
Address:	Bureau of Reclamation 2764 Compass Dr., Suite 106 Grand Junction, CO 81506	Bureau of Reclamation 2764 Compass Dr., Suite 107 Grand Junction, CO 81506
Phone:	(970) 248-0637	(970) 248-0641
FAX:	(970) 248-0601	(970) 248-0601
email:	mbaker@uc.usbr.gov	builenberg@uc.usbr.gov

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Category:	Expected Funding Source:
<input type="checkbox"/> Ongoing Project	<input type="checkbox"/> Annual Funds
<input type="checkbox"/> Ongoing-revised project	<input checked="" type="checkbox"/> Capital Funds
<input checked="" type="checkbox"/> Requested New Start	<input type="checkbox"/> Other (In-kind Services)

I. Title of Proposal:

Gunnison River Water Demand Study

II. Relationship to RIPRAP:

Colorado River Action Plan: Gunnison River

I. Provide and Protect Instream Flows (The proposed study is a prerequisite to implementing the Gunnison Basin Programmatic Biological Opinion process).

III. Study Background/Rationale and Hypotheses: NA

IV. Study Goals, Objectives, End Product:

The study will develop a projection of future depletions for all water use segments in the Gunnison River basin for a 50 year planning period. This information is expected to be used as a baseline for agreements to be negotiated as part of the Gunnison Basin Programmatic Biological Opinion process.

V. Study Area: Gunnison River Basin in western Colorado.

VI. Study Methods/Approach:

The study authors will utilize existing projections of future water use and population growth and standard water use estimating procedures to synthesize estimates of water demand in the basin at a date 50 years in the future. Additional information on the study methods and approach is contained in the description of tasks below.

VII. Task Description and Schedule:

- A. Identify date of baseline depletions in CDSS so as to establish start of planning period
- B. Identify segments to include (agricultural, M&I, rural domestic, snowmaking, mining, etc.)
- C. Identify, contact & visit (if needed) information sources (may include city/town/county planners, Region 10 League for Economic Assistance & Planning, Colorado state demographer, CO Department of Local Affairs, Colorado Water Conservation Board, Colorado River Water Conservation District, and others)
- D. Estimate future depletions using a process which may involve the following steps:
 - 1. Use existing water use/diversion/consumptive use (CU) projections where available; extend those projections where necessary to cover the 50-year planning period;
 - 2. Extend population projections using the same or other growth rates (from state demographer's existing 25 year projection)
 - 3. Use population projections for other areas (rural areas) with standard/accepted water use estimating values to estimate depletions (e.g., domestic use at 100 gallons per capita per day, 30% CU for household use, etc.);
- E. Develop several growth scenarios, if stakeholders are not in agreement with the water use/population projections.
- F. Develop a brief report detailing sources of info, assumptions, estimating process, and findings.

Reclamation staff will be available to begin this project about February 1, 2001 with an estimated completion date for the draft report of May 30, 2001.

VIII. FY-2001 Work:

Deliverables/Due Dates: Completion of a the draft report is scheduled for May 30, 2001.

IX. Budget Summary:

The tasks described above should require approximately 30 staff-days of effort at a cost of approximately \$16,500.

X. Reviewers: NA

XI. References: NA